

FD-677/CDC13 19/Apr/02

Pulse Sequence: s2pul

Solvent: CDCl<sub>3</sub>

Ambient temperature

Mercury-300 "mtl-nmr02"

PULSE SEQUENCE

Pulse 59.1 degrees

Acq. time 1.815 sec

Width 18761.7 Hz

1606 repetitions

OBSERVE C13, 75.3841884 MHz

DECOUPLE H1, 299.7992307 MHz

Power 42 dB

continuously on

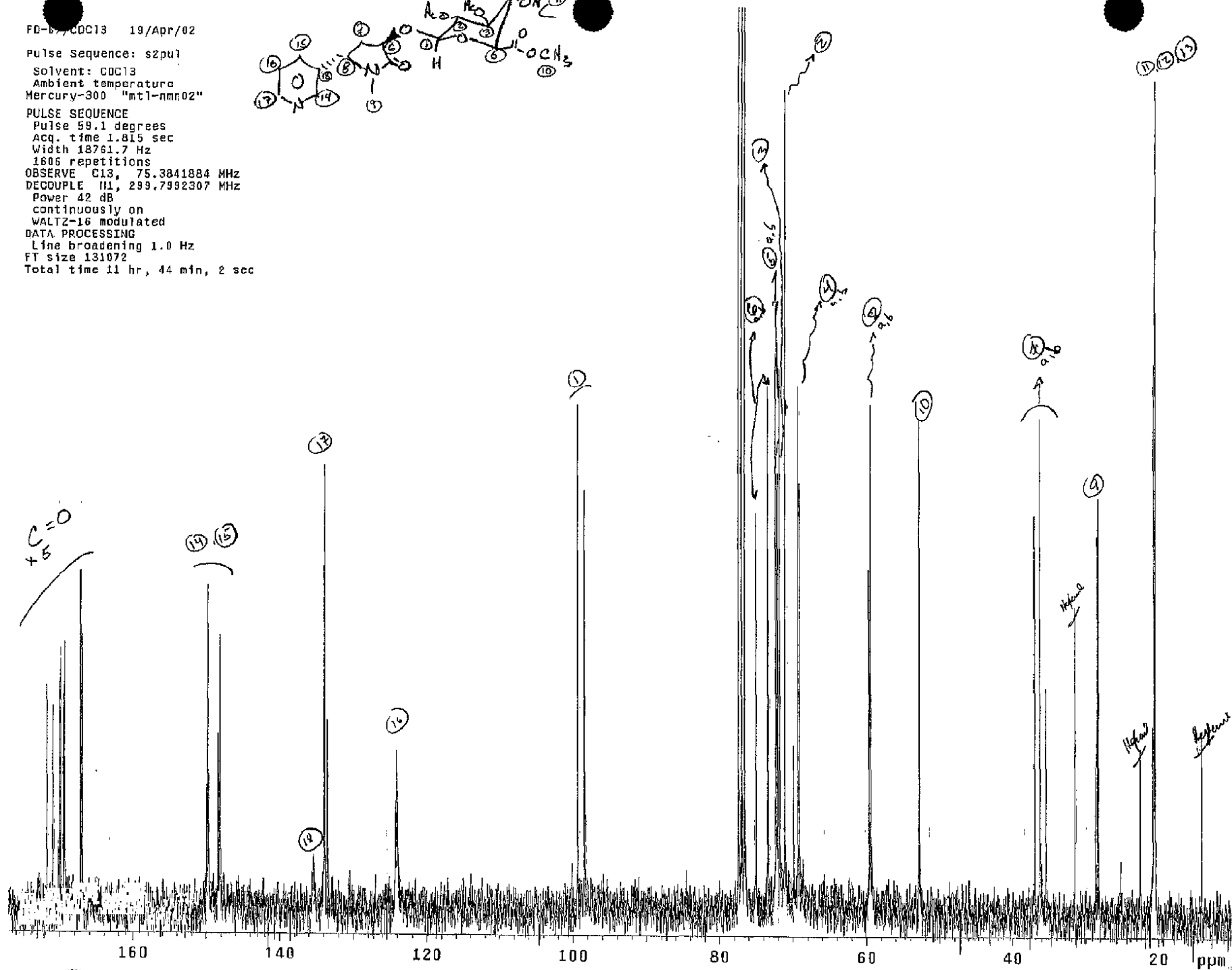
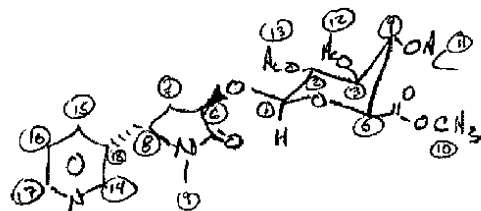
WALTZ-16 modulated

DATA PROCESSING

Line broadening 1.0 Hz

FT size 131072

Total time 11 hr, 44 min, 2 sec



PM3006740388

FOUO/CDC13 19/Apr/02

Pulse Sequence: s2pul

Solvent: CDC13

Ambient temperature

Mercury-300 "mt1-nmr02"

PULSE SEQUENCE

Pulse 59.1 degrees

Acq. time 1.815 sec

Width 18761.7 Hz

1606 repetitions

OBSERVE C13, 75.3841884 MHz

DECOUPLE H1, 299.7992307 MHz

Power 42 dB

continuously on

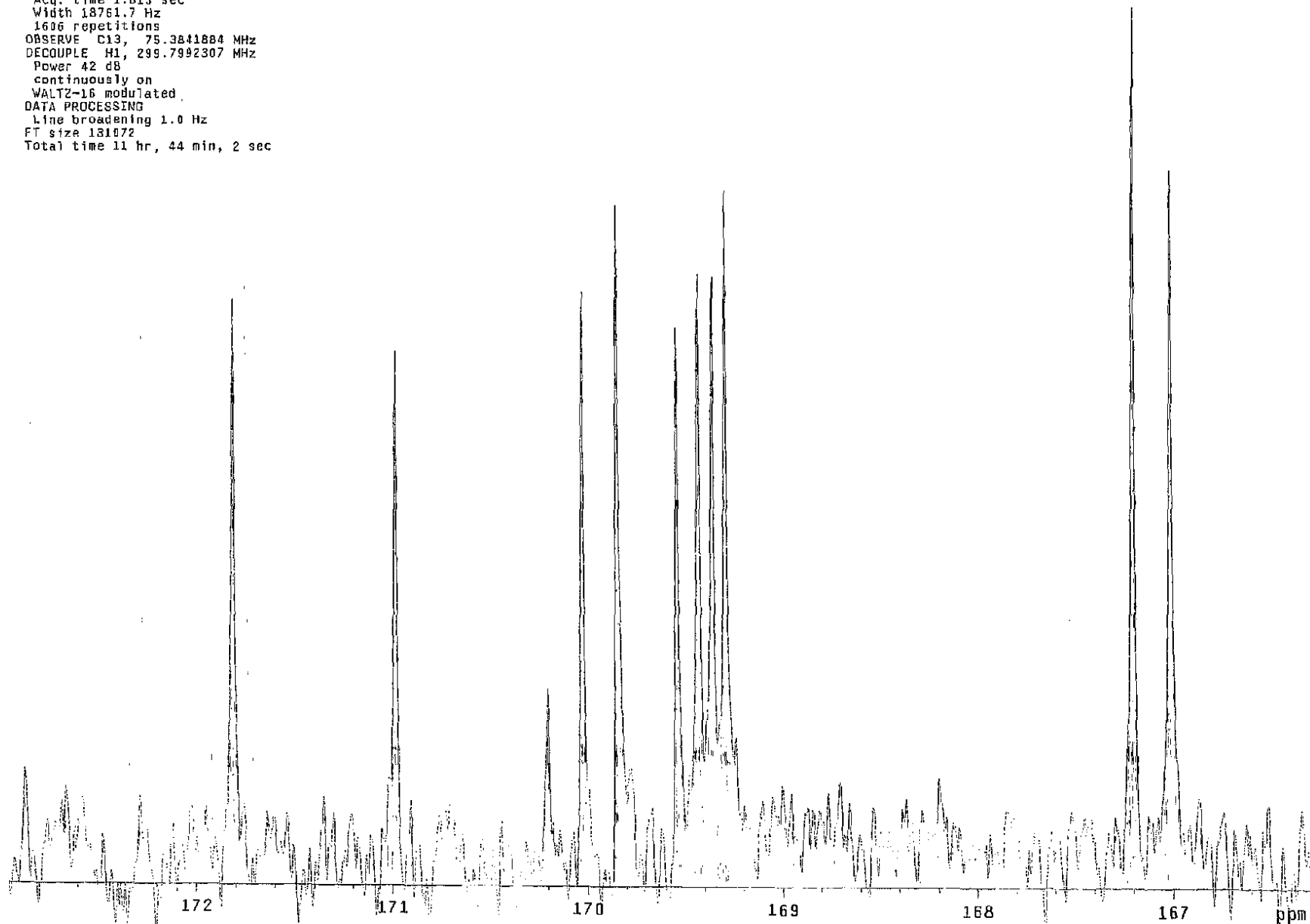
WALTZ-16 modulated

DATA PROCESSING

Line broadening 1.0 Hz

FT size 131072

Total time 11 hr, 44 min, 2 sec



PM3006740389

FD-107 CDC13 19/Apr/02

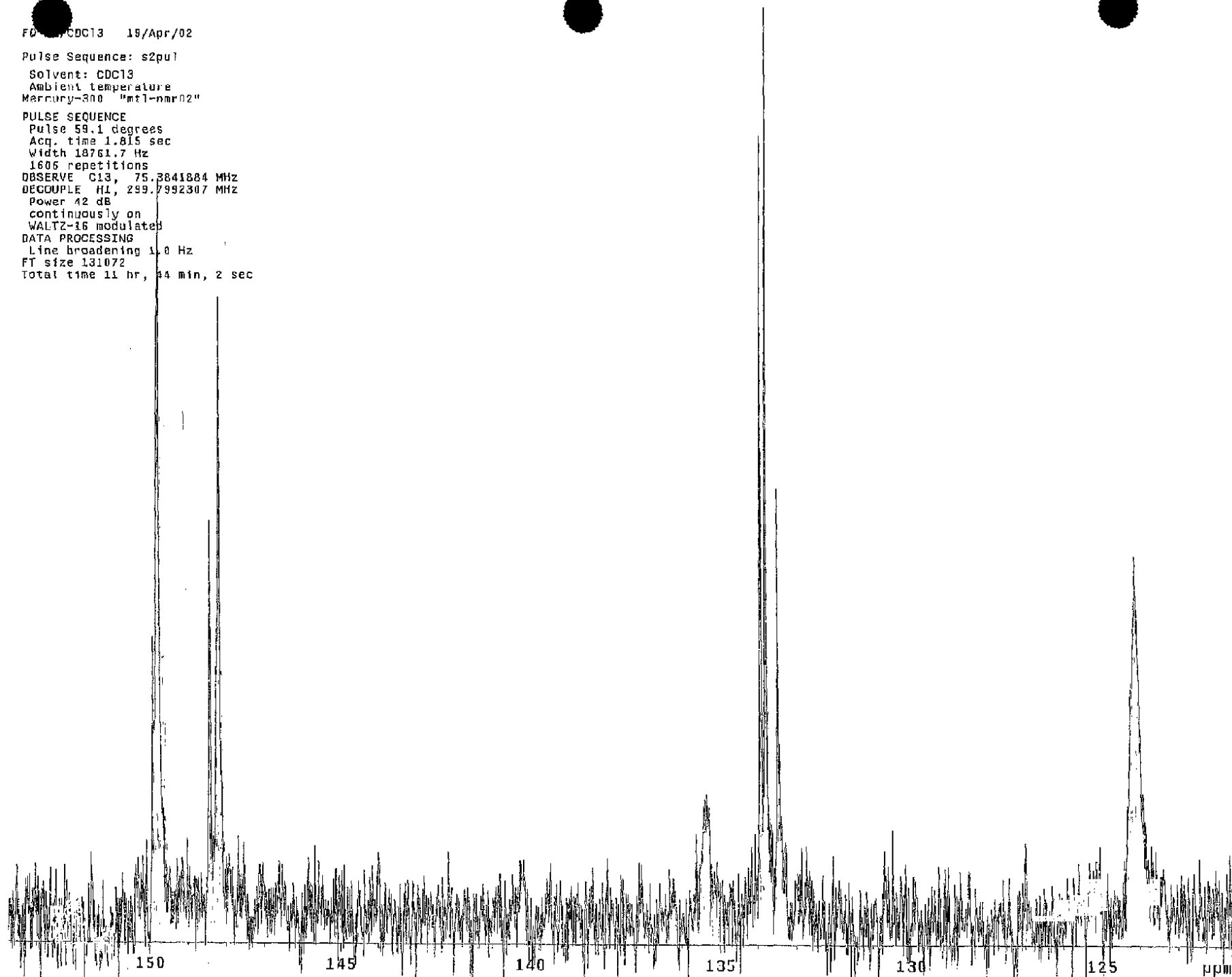
Pulse Sequence: s2pu1

Solvent: CDC13  
Ambient temperature  
Mercury-300 "mt1-nmr02"

PULSE SEQUENCE

Pulse 59.1 degrees  
Acq. time 1.815 sec  
Width 18761.7 Hz  
1606 repetitions  
OBSERVE C13, 75.3841884 MHz  
DECOUPLE H1, 299.7992307 MHz

Power 42 dB  
continuously on  
WALTZ-16 modulated  
DATA PROCESSING  
Line broadening 1.0 Hz  
FT size 131072  
Total time 11 hr, 44 min, 2 sec



PM3006740390

FD-007/CDC13 19/Apr/02

Pulse Sequence: s2pu1

Solvent: CDC13

Ambient temperature

Mercury-300 "mt1-nmr02"

PULSE SEQUENCE

Pulse 59.1 degrees

Acq. time 1.815 sec

Width 18761.7 Hz

1600 repetitions

OBSERVE C13, 75.3841884 MHz

DECOUPLE H1, 299.7992307 MHz

Power 42 dB

continuously on

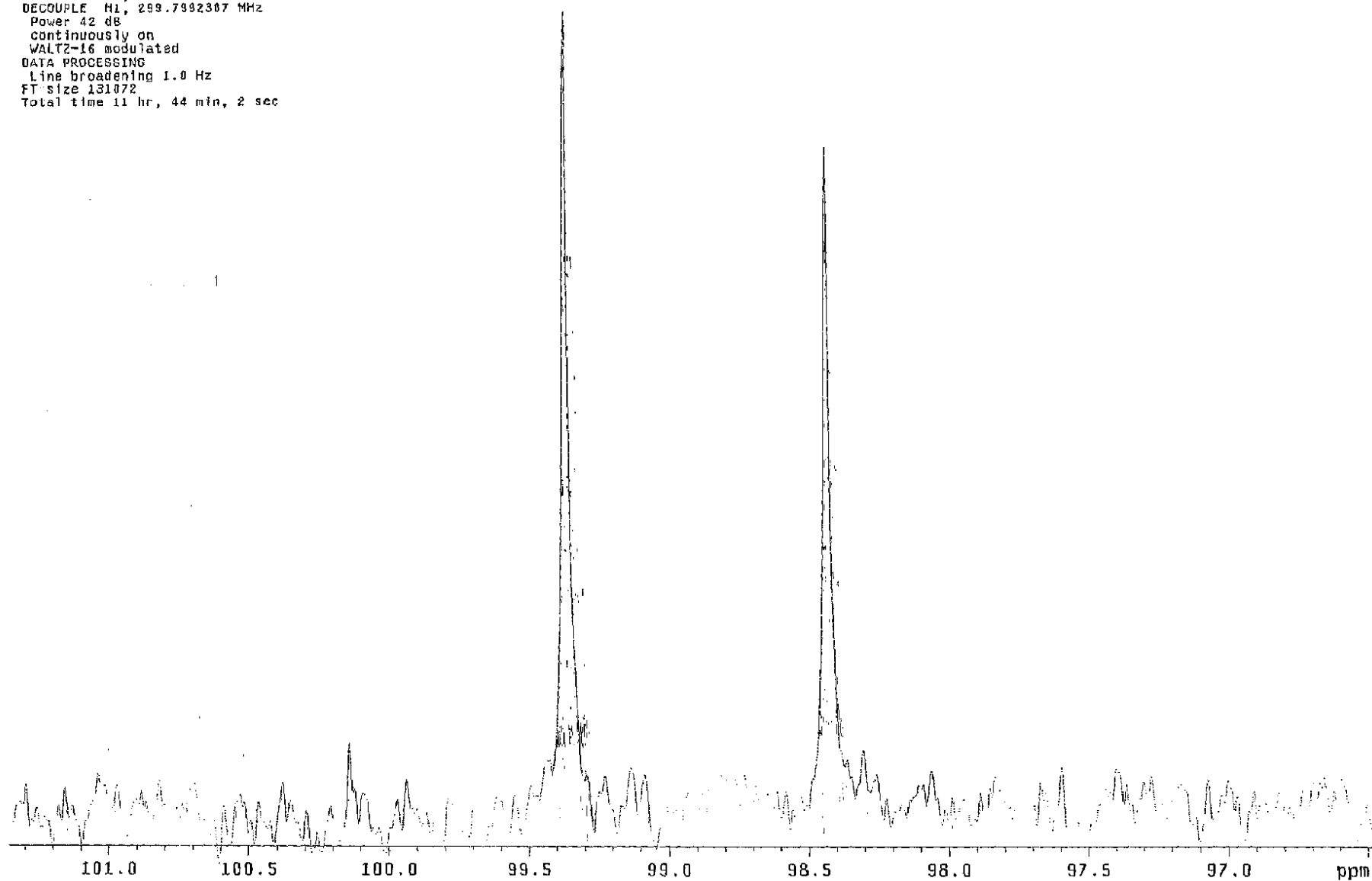
WALTZ-16 modulated

DATA PROCESSING

Line broadening 1.0 Hz

FT size 131072

Total time 11 hr, 44 min, 2 sec



PM3006740391

FD-37/CDC13 19/Apr/02

Pulse Sequence: s2pu1

Solvent: CDCl<sub>3</sub>  
Ambient temperature  
Mercury-300 "mt1-nmr02"

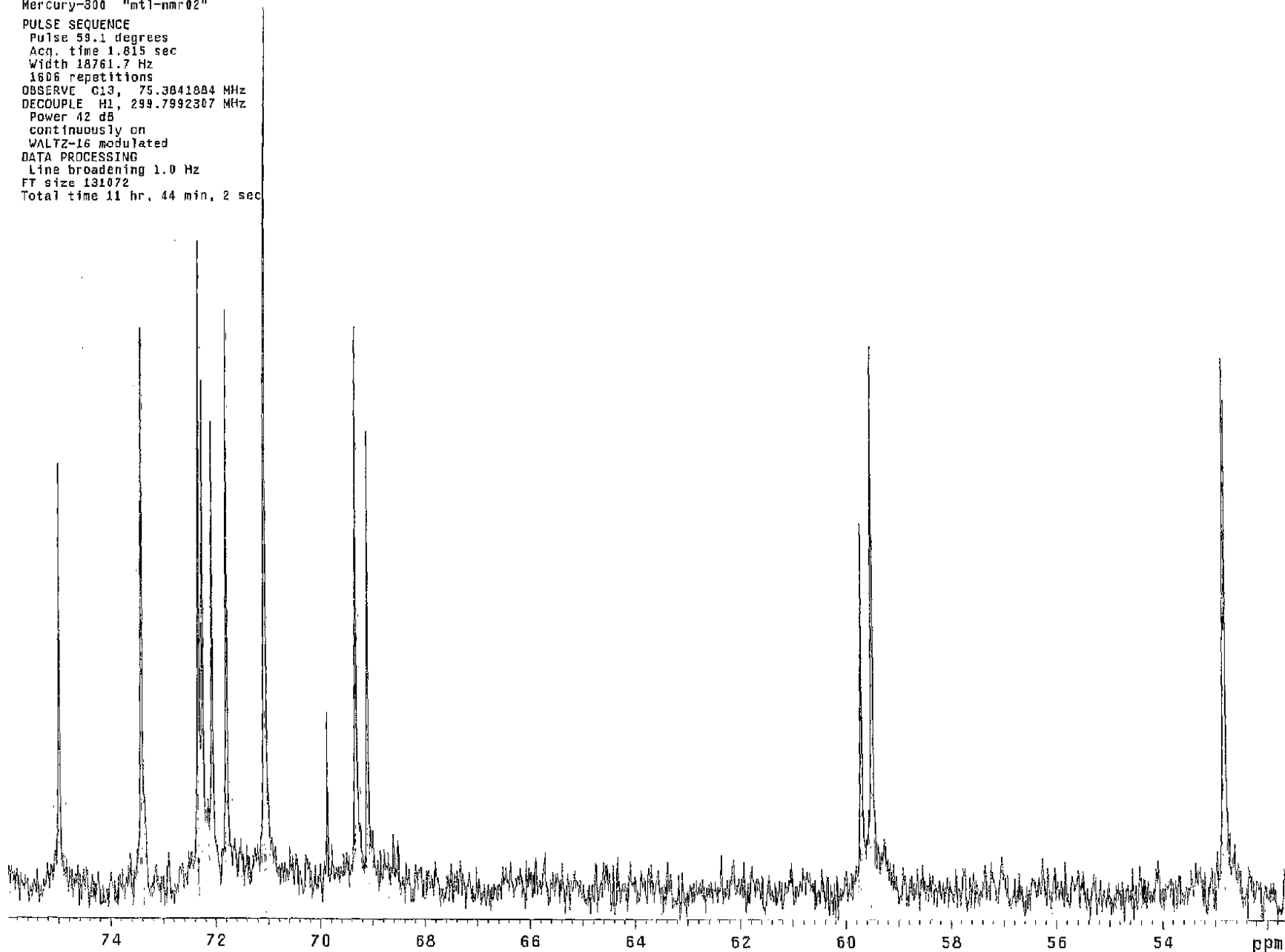
PULSE SEQUENCE

Pulse 59.1 degrees  
Acq. time 1.815 sec  
Width 18761.7 Hz  
1606 repetitions  
OBSERVE C13, 75.3841884 MHz  
DECOUPLE H1, 299.7992307 MHz  
Power 42 dB

continuously on  
WALTZ-16 modulated

DATA PROCESSING

Line broadening 1.0 Hz  
FT size 131072  
Total time 11 hr, 44 min, 2 sec



PM3006740392

F0-677/CDC13 15/Apr/02

Pulse Sequence: s2pul

Solvent: CDC13

Ambient temperature

Mercury-300 "mtl-nmr02"

PULSE SEQUENCE

Pulse 59.1 degrees

Acq. time 1.815 sec

Width 18761.7 Hz

1606 repetitions

OBSERVE C13, 75.3841884 MHz

DECOUPLE H1, 299.7992307 MHz

Power 42 dB

continuously on

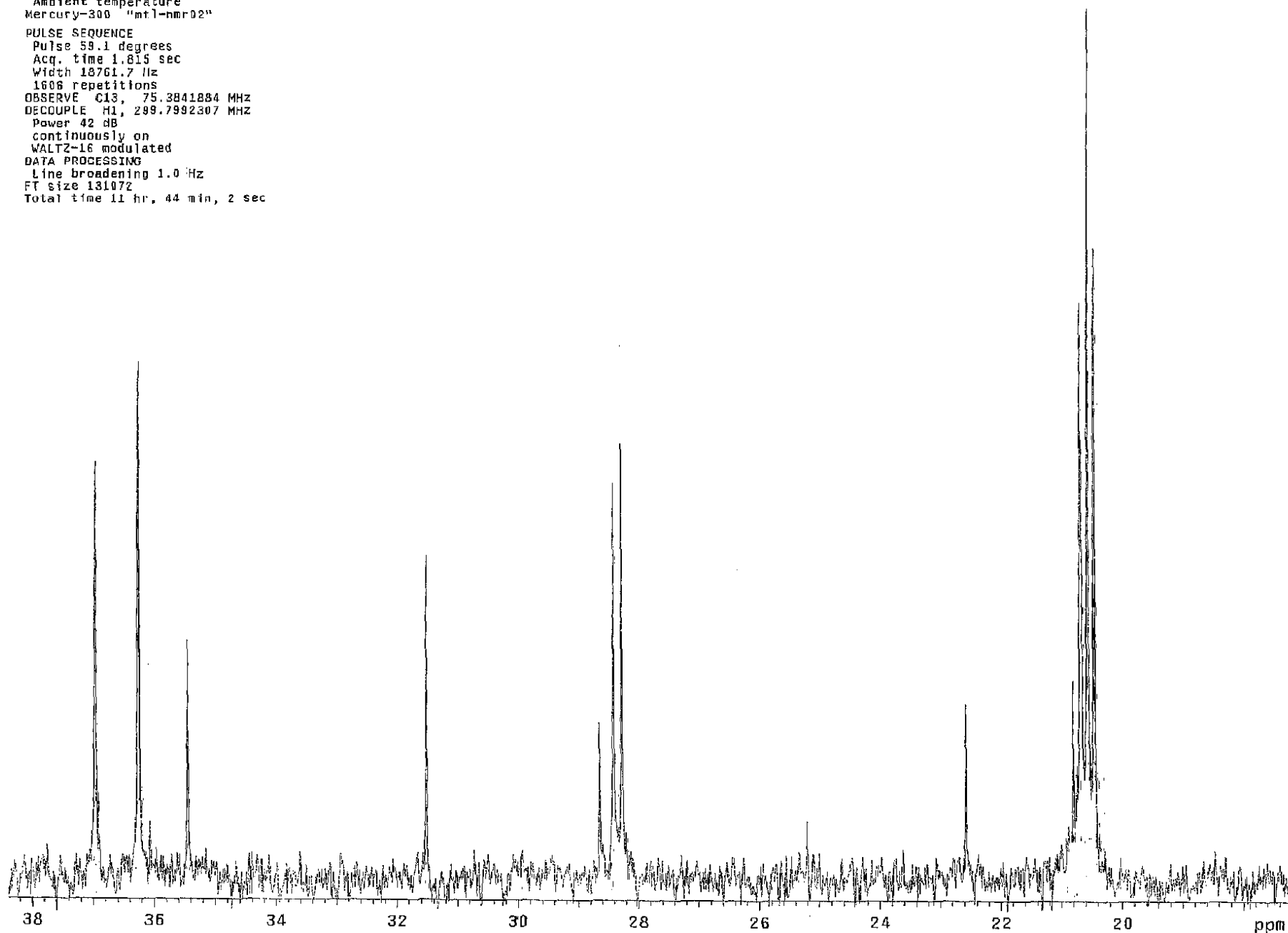
WALTZ-16 modulated

DATA PROCESSING

Line broadening 1.0 Hz

FT size 131072

Total time 11 hr, 44 min, 2 sec



PM3006740393

FD-67/CDC13 19/Apr/02

Pulse Sequence: s2pu1

Solvent: CDCl<sub>3</sub>

Ambient temperature

File: FD-MUSPSRS-V-H-67-2ndFlash

Mercury-300 "mt1-nmr02"

PULSE SEQUENCE

Relax. delay 1.000 sec

Pulse 75.6 degrees

Acq. time 3.000 sec

Width 4500.5 Hz

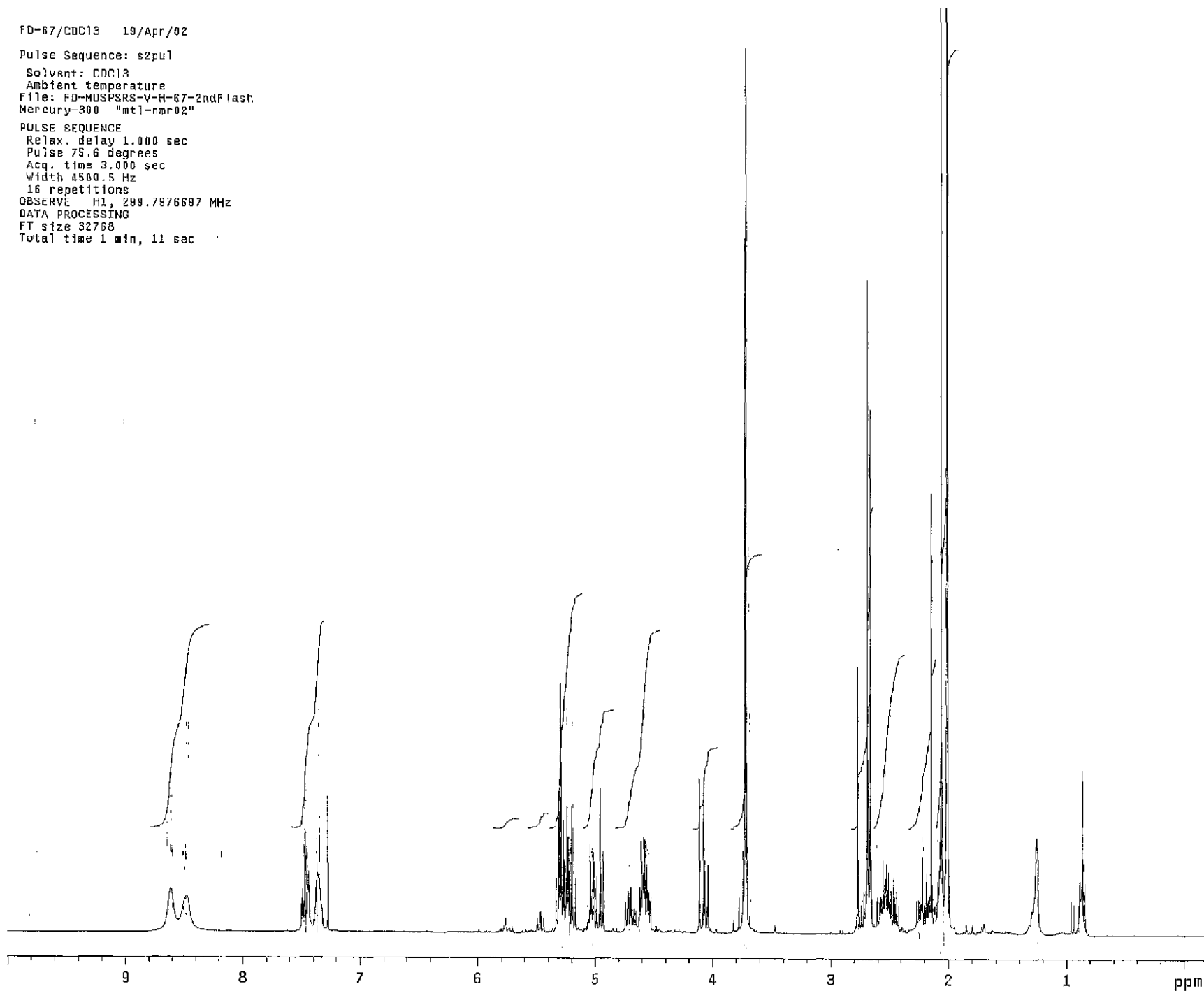
16 repetitions

OBSERVE H1, 299.7976697 MHz

DATA PROCESSING

FT size 32768

Total time 1 min, 11 sec



PM3006740394

index	freq ppm	intensity
1	7.27	26.0047
2	5.31097	27.2176
3	5.3018	26.1928
4	5.29264	48.1064
5	5.28531	32.7168
6	5.27157	21.6143
7	5.24133	24.3363
8	5.19735	24.2449
9	4.95544	27.9012
10	4.10787	29.7568
11	4.0758	27.5876
12	3.72578	134.866
13	3.7157	171.887
14	2.76825	51.6351
15	2.6867	127.003
16	2.6638	101.892
17	2.14701	85.3846
18	2.06179	302.092
19	2.01323	311.232
20	2.01048	336.665
21	0.865114	31.616



FD-67/CDC13 19/Apr/02

Pulse Sequence: s2pu1

Solvent: GDC13

Ambient temperature

File: FD-MDSPSR5-V-H-67-2ndFlash

Mercury-300 "mt1-nmr02"

PULSE SEQUENCE

Relax. delay 1.000 sec

Pulse 75.6 degrees

Acq. time 3.000 sec

Width 4500.5 Hz

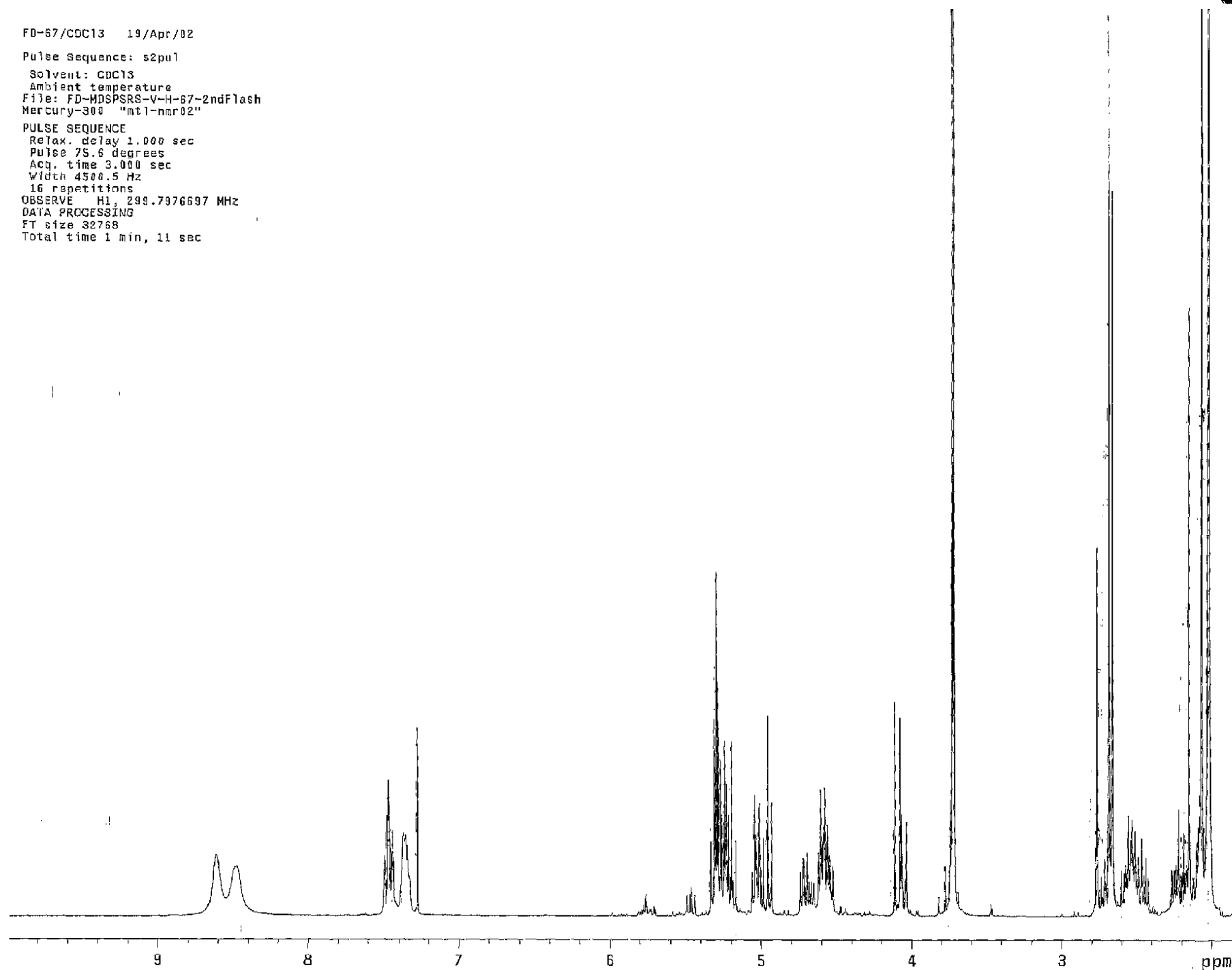
16 repetitions

OBSERVE H1, 298.7976697 MHz

DATA PROCESSING

FT size 32768

Total time 1 min, 11 sec



PM3006740396

FD-67/CDC13 19/Apr/02

Pulse Sequence: s2pu1

Solvent: CDCl3

Ambient temperature

File: FD-WDSSS-V-H-67-2ndFlash

Mercury-300 mtl-nm-02

PULSE SEQUENCE

Relax. delay 1.000 sec

Pulse 75.6 degrees

Acq. time 3.000 sec

Width 4500.5 Hz

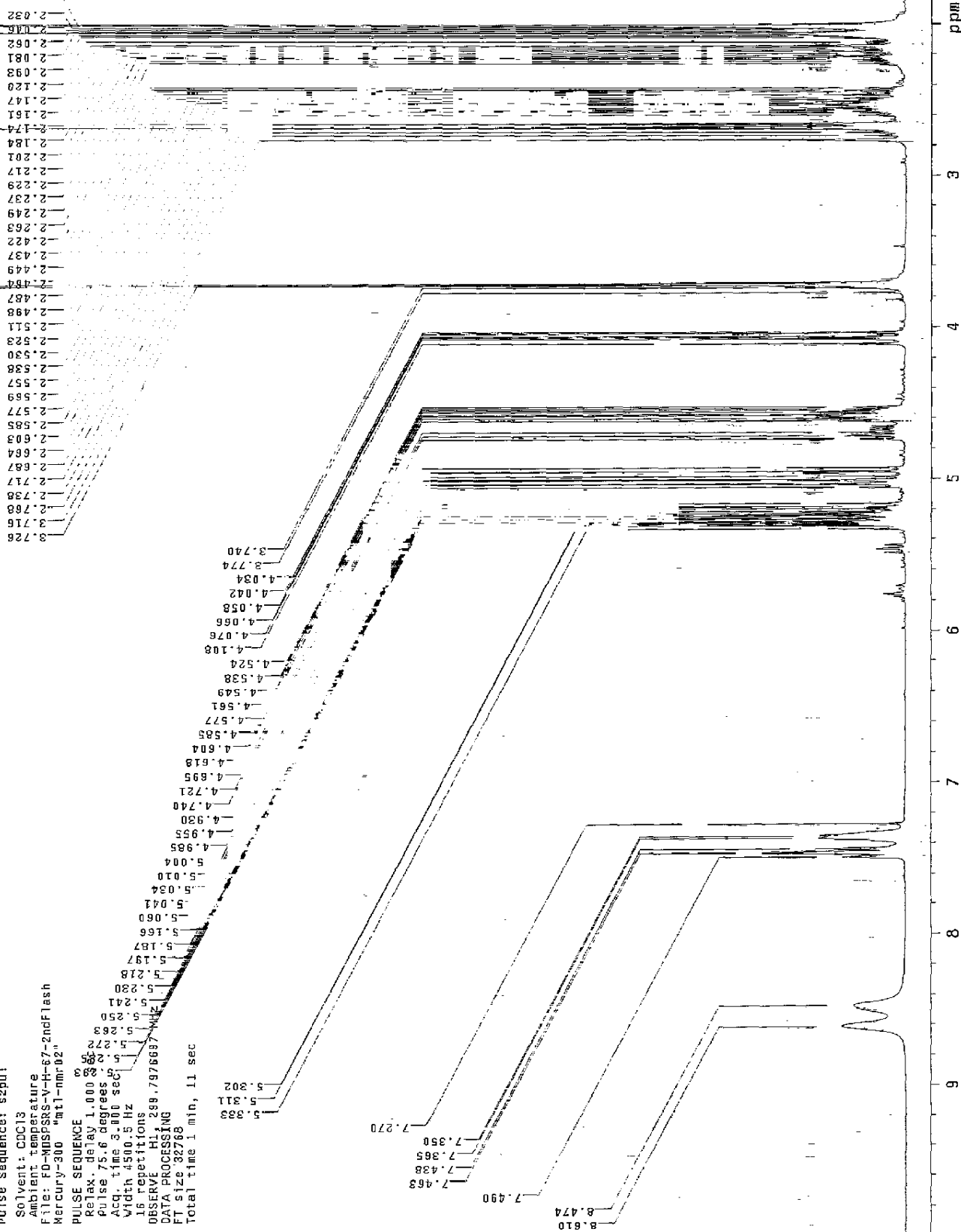
16 repetitions

RESERVE H1, 298.7976637 MHz

DATA PROCESSING

FT size 32768

Total time 1 min, 11 sec



PM3006740397

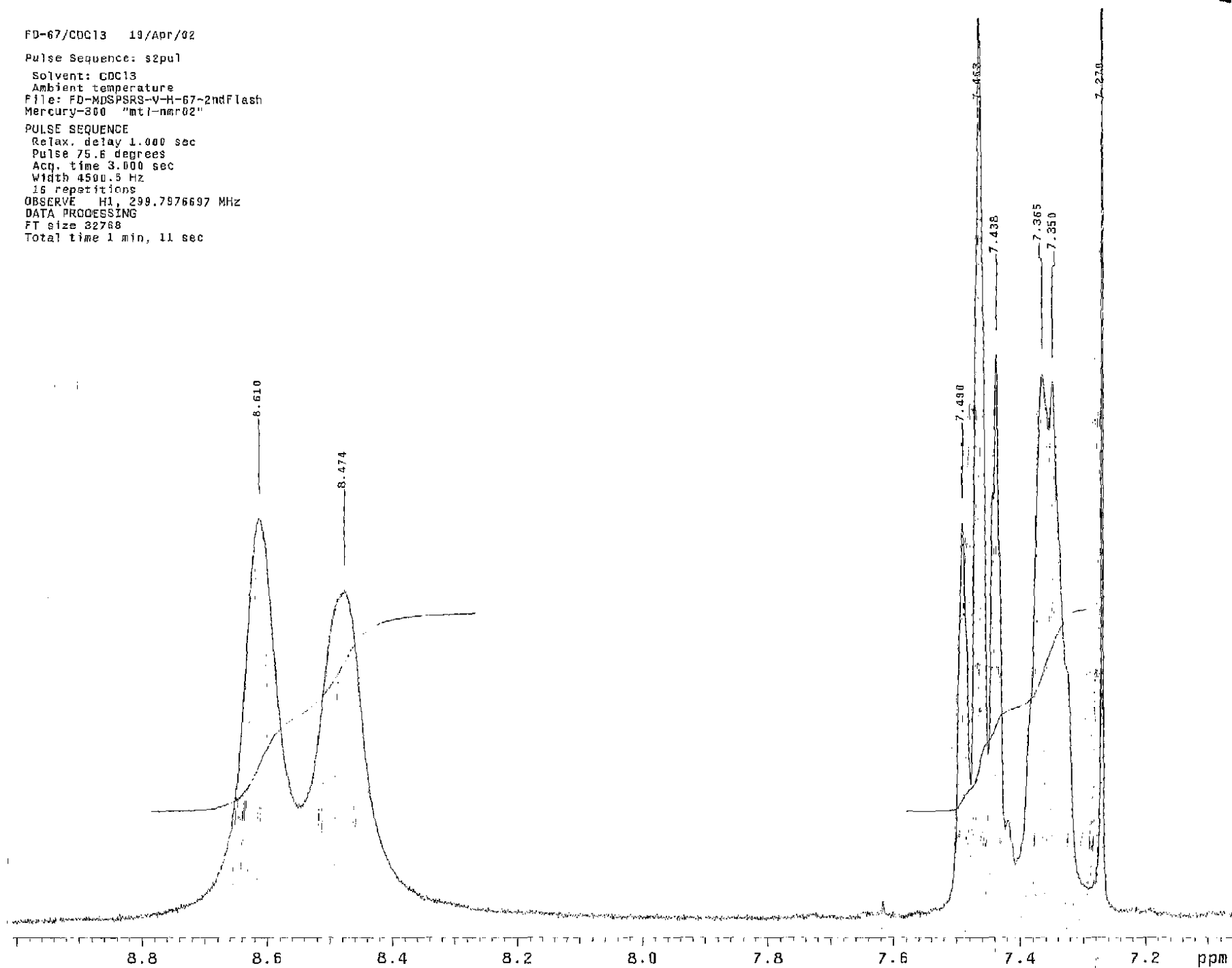
FD-67/CDC13 19/Apr/02

Pulse Sequence: s2pu1

Solvent: CDC13  
Ambient temperature  
File: FD-MDSPSR3-V-H-67-2ndFlash  
Mercury-300 "mtl-nmr02"

PULSE SEQUENCE

Relax. delay 1.000 sec  
Pulse 75.6 degrees  
Acq. time 3.000 sec  
Width 4500.5 Hz  
16 repetitions  
OBSERVE H1, 299.7976697 MHz  
DATA PROCESSING  
FT size 32768  
Total time 1 min, 11 sec



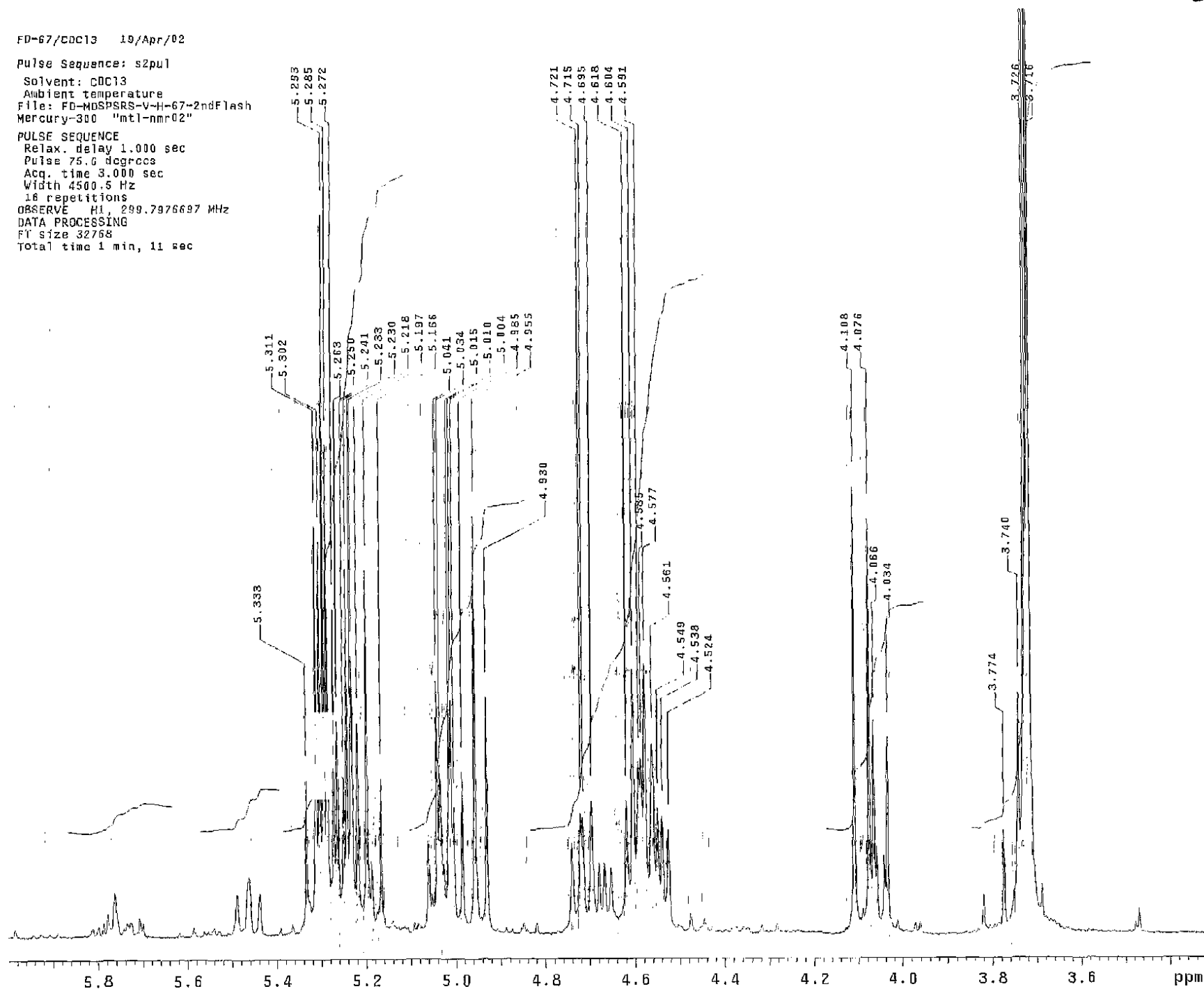
PM3006740398

FD-67/CDC13 19/Apr/02

Pulse Sequence: s2pul

Solvent: CDC13  
Ambient temperature  
File: FD-MDSPSR5-V-H-67-2ndFlash  
Mercury-300 "mtl-nmr02"

PULSE SEQUENCE  
Relax. delay 1.000 sec  
Pulse 75.6 degrees  
Acq. time 3.000 sec  
Width 4500.5 Hz  
16 repetitions  
OBSERVE H1, 299.7976697 MHz  
DATA PROCESSING  
F1 size 32768  
Total time 1 min, 11 sec



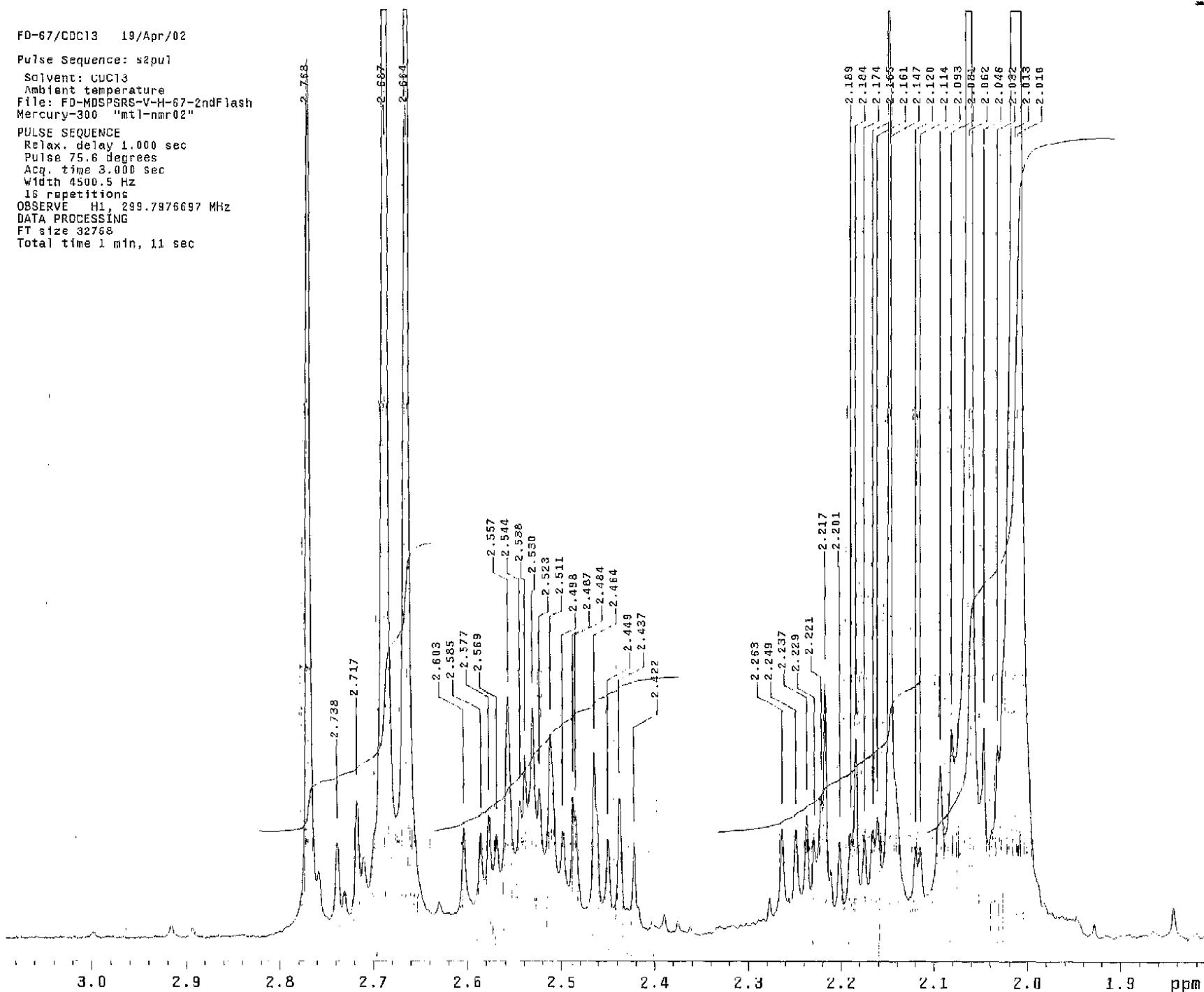
PM3006740399

FD-67/CDC13 19/Apr/02

Pulse Sequence: s2pu1

Solvent: CDCl<sub>3</sub>  
Ambient temperature  
File: FD-MDSPRS-V-H-67-2ndFlash  
Mercury-300 "ml-nmr02"

PULSE SEQUENCE  
Relax. delay 1.000 sec  
Pulse 75.6 degrees  
Acq. time 3.000 sec  
Width 4500.5 Hz  
16 repetitions  
OBSERVE H1, 299.7976697 MHz  
DATA PROCESSING  
FT size 32768  
Total time 1 min, 11 sec



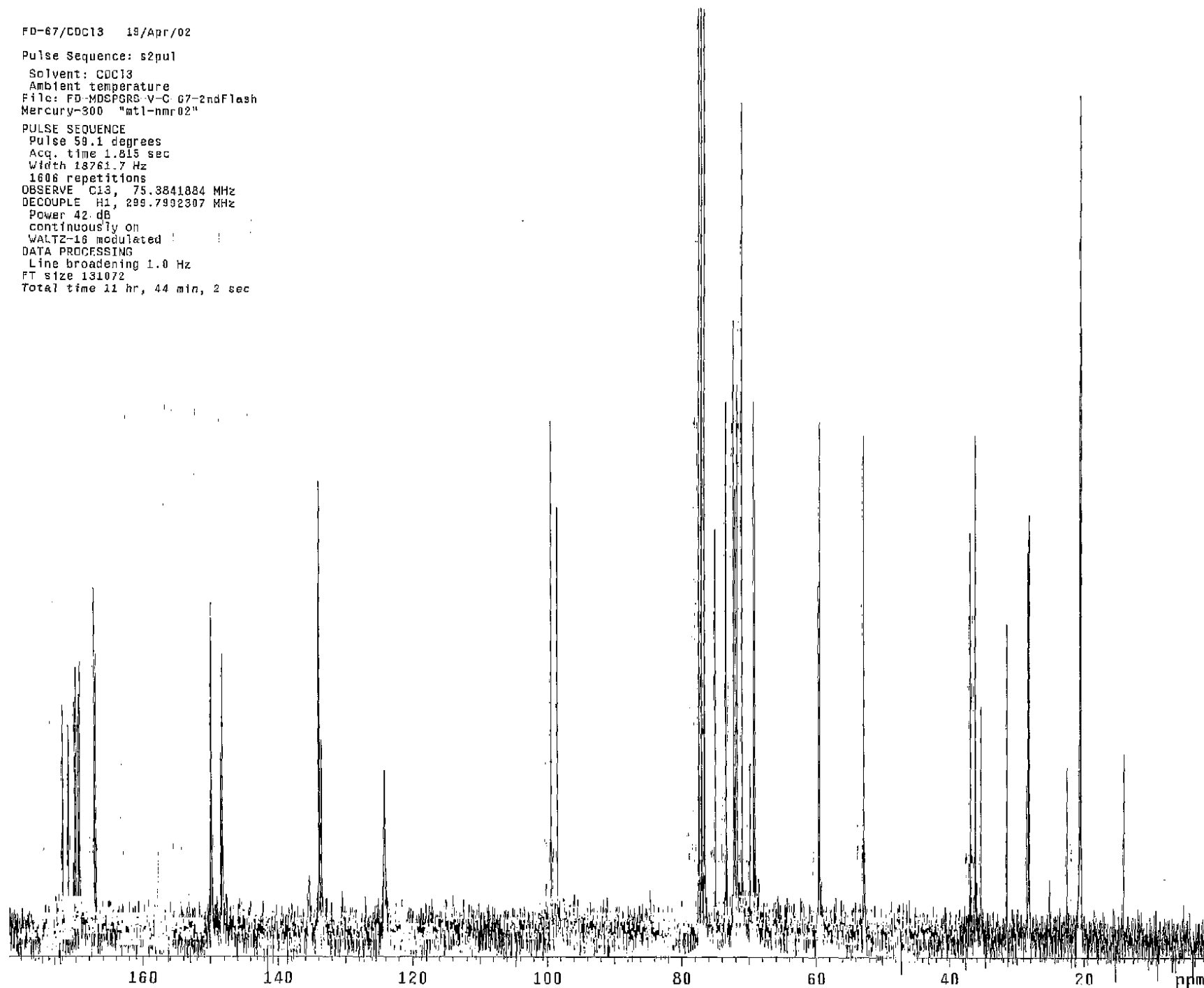
PM3006740400

FD-67/CDC13 18/Apr/02

Pulse Sequence: s2pul

Solvent: CDC13  
Ambient temperature  
File: FD-MDSPSRG-V-C 07-2ndFlash  
Mercury-300 "mtl-nmr02"

PULSE SEQUENCE  
Pulse 59.1 degrees  
Acq. time 1.815 sec  
Width 18761.7 Hz  
1606 repetitions  
OBSERVE C13, 75.3841884 MHz  
DECOUPLE H1, 299.7992307 MHz  
Power 42 dB  
continuously on  
WALTZ-16 modulated  
DATA PROCESSING  
Line broadening 1.0 Hz  
FT size 131072  
Total time 11 hr, 44 min, 2 sec



PM3006740401

index	freq ppm	intensity
1	171.813	43.6221
2	170.981	39.5277
3	170.203	13.1269
4	170.024	44.1677
5	169.85	51.0121
6	169.546	41.3602
7	169.432	45.5727
8	169.36	45.4101
9	169.295	52.0853
10	167.203	66.3491
11	167.013	53.6601
12	149.783	63.6278
13	148.412	34.348
14	148.18	53.6826
15	135.348	10.7414
16	133.927	67.4386
17	133.798	87.3085
18	133.483	37.0281
19	124.114	31.177
20	99.3646	99.2226
21	98.4304	82.4337
22	77.4215	199.707
23	76.9962	211.116
24	76.5709	204.975
25	74.991	78.2153
26	73.415	103.065
27	72.325	118.938
28	72.2529	93.2557
29	72.0668	85.9435
30	71.7858	106.448
31	71.0642	161.177
32	69.8679	32.4793
33	69.3135	103.171
34	69.0856	83.9647
35	59.6939	66.9353
36	59.4927	99.2503
37	52.8353	96.5101
38	52.8049	89.089
39	36.9686	77.6448
40	36.2546	96.579
41	35.4457	43.69
42	31.5113	59.6795
43	28.6516	28.3139
44	28.4086	73.4717
45	28.2719	81.0685
46	22.5791	31.846
47	20.8018	36.1073
48	20.6841	107.396
49	20.6613	83.1871
50	20.5588	162.816
51	20.4486	117.504
52	14.0647	34.5682

FD-67/CDC13 19/Apr/02

Pulse Sequence: s2pu1

Solvent: CDC13

Ambient temperature

File: FD-WSPSR9-V-C-67-2ndFlash

Mercury-300 "mtl-nmr-02"

PULSE SEQUENCE

Pulse 59.1 degrees

Acq. time 1.815 sec

Width 18761.7 Hz

1606 repetitions

OBSERVE C13, 75.3841884 MHz

DECOUPLE H1, 289.7992307 MHz

Power 42 dB, 289.7992307 MHz

continuously on

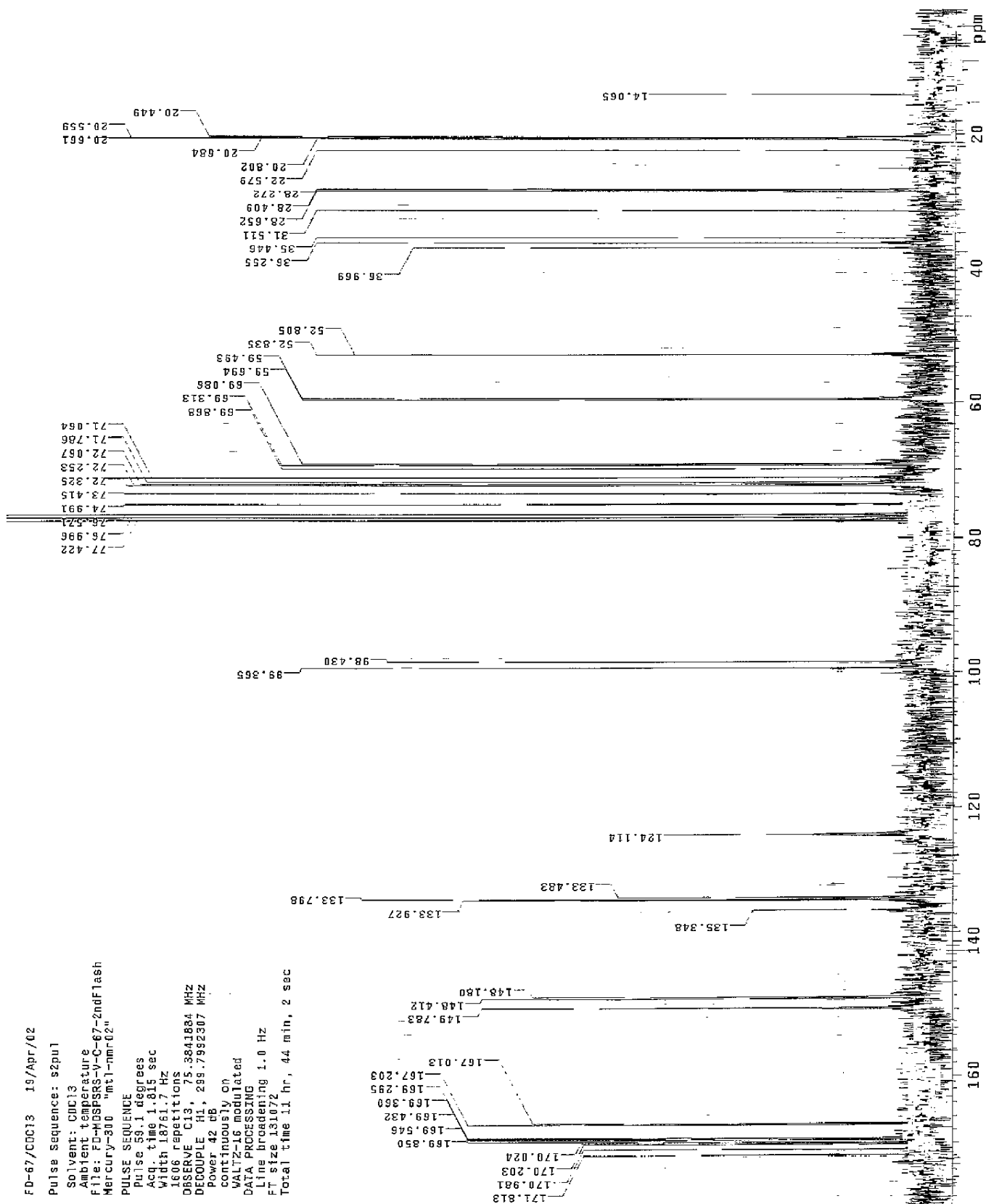
VALTZ-16 modulated

DATA PROCESSING

FT line broadening 1.0 Hz

FT size 131072

Total time 11 hr, 44 min, 2 sec



PM3006740403



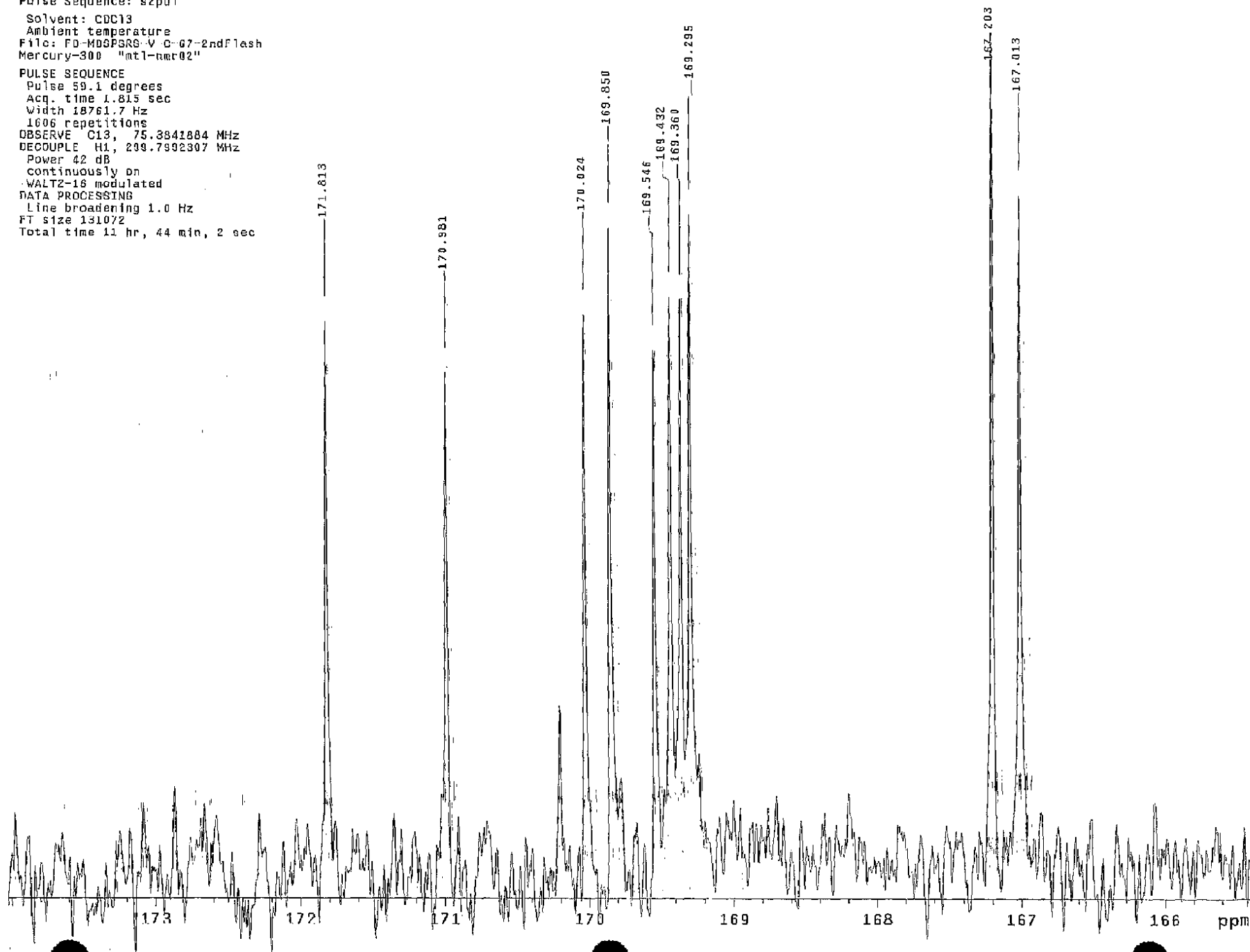
FD-67/CDC13 19/Apr/02

Pulse Sequence: s2pul

Solvent: CDC13  
Ambient temperature  
File: FD-MDSPPRS-V-C-07-2ndFlash  
Mercury-300 "mt1-nmr02"

PULSE SEQUENCE

Pulse 59.1 degrees  
Acq. time 1.815 sec  
Width 18761.7 Hz  
1606 repetitions  
OBSERVE C13, 75.3841884 MHz  
DECOUPLE H1, 299.7992307 MHz  
Power 42 dB  
continuously on  
WALTZ-16 modulated  
DATA PROCESSING  
Line broadening 1.0 Hz  
FT size 131072  
Total time 11 hr, 44 min, 2 sec



PM3006740404

FD-67/CDC13 19/Apr/02

Pulse Sequence: s2pu1

Solvent: CDC13

Ambient Temperature

File: FD-MDPSRS-V-C-67-2ndFlash

Mercury-300 "mt1-nmr02"

PULSE SEQUENCE

Pulse 59.1 degrees

Acq. time 1.815 sec

Width 13751.7 Hz

1606 repetitions

OBSERVE C13, 75.3641884 MHz

DECOUPLE H1, 299.7992507 MHz

Power 42 dB

continuously on

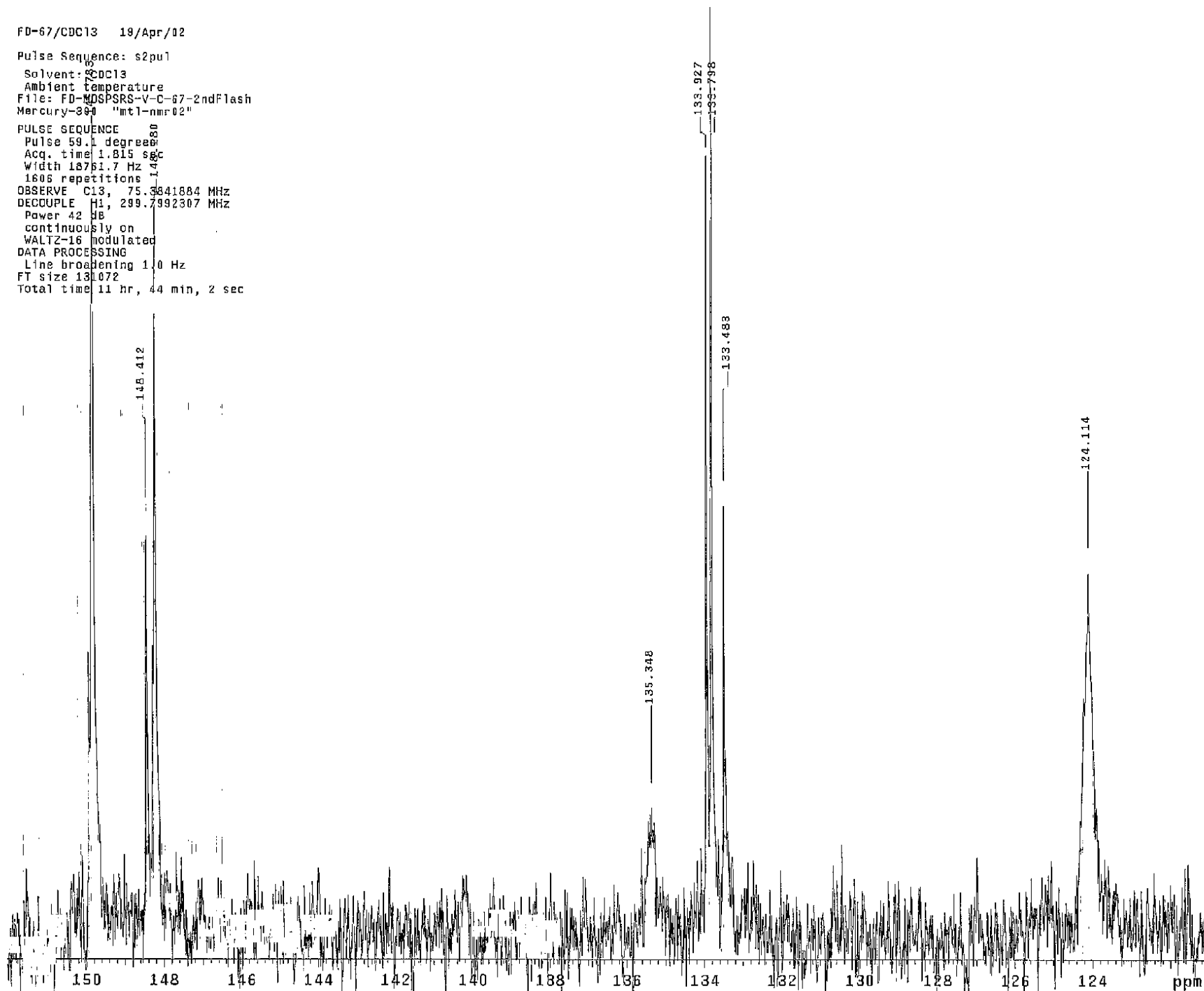
WALTZ-16 modulated

DATA PROCESSING

Line broadening 1.0 Hz

FT size 131072

Total time 11 hr, 44 min, 2 sec



PM3006740405

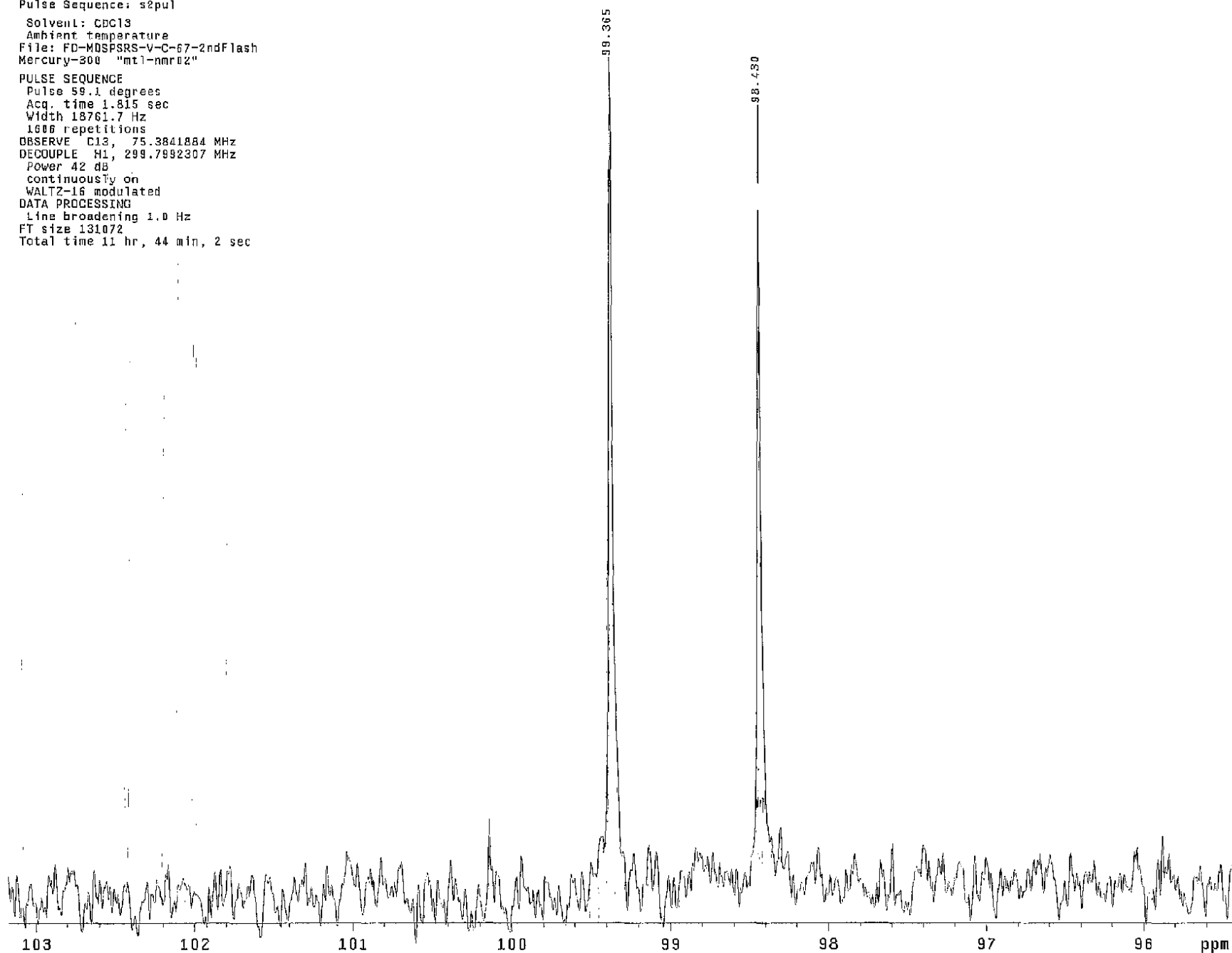
FD-67/CDC13 19/Apr/02

Pulse Sequence: s2pu1

Solvent: CDC13  
Ambient temperature  
File: FD-MDSPSR5-V-C-67-2ndFlash  
Mercury-300 "mt1-nmr02"

PULSE SEQUENCE

Pulse 59.1 degrees  
Acq. time 1.815 sec  
Width 18761.7 Hz  
1600 repetitions  
OBSERVE C13, 75.3841884 MHz  
DECOUPLE H1, 299.7992307 MHz  
Power 42 dB  
continuously on  
WALTZ-16 modulated  
DATA PROCESSING  
Line broadening 1.0 Hz  
FT size 131072  
Total time 11 hr, 44 min, 2 sec



PM3006740406

FD-67/CDC13 19/Apr/02

Pulse Sequence: s2pul

Solvent: CDC13

Ambient temperature

File: FD-MDSPRS-V-C-67-2nd flash

Mercury-300 "mtl-nmr02"

PULSE SEQUENCE

Pulse 59.1 degrees

Acq. time 1.815 sec

Width 18761.7 Hz

1506 repetitions

OBSERVE C13, 75.3841884 MHz

DECOUPLE H1, 299.7992307 MHz

Power 42 dB

continuously on

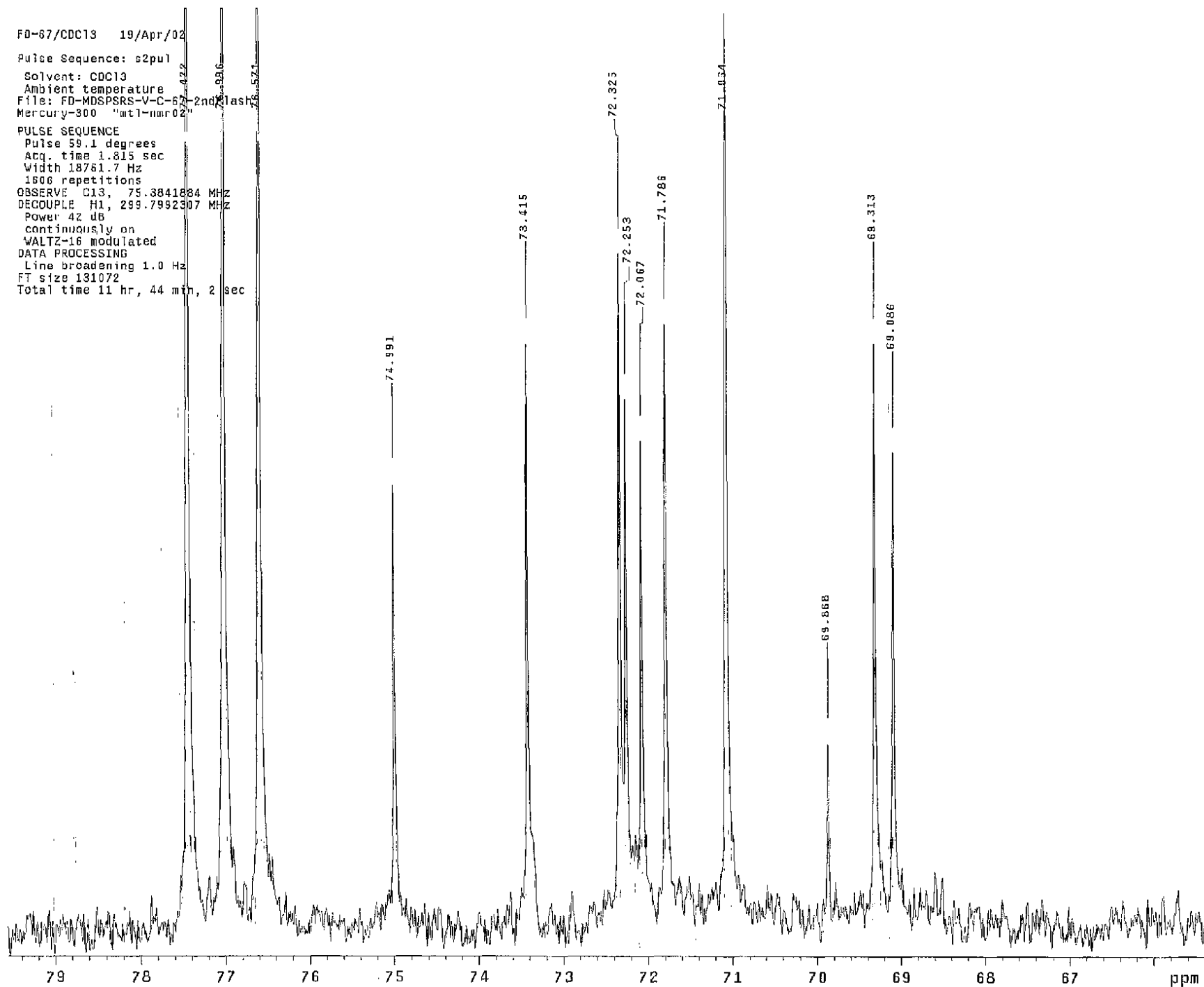
WALTZ-16 modulated

DATA PROCESSING

Line broadening 1.0 Hz

FT size 131072

Total time 11 hr, 44 min, 2 sec



FR-67/CDC13 19/Apr/02

Pulse Sequence: s2pul

Solvent: CDC13

Ambient temperature

File: FD-MDSFPRS-V-C-67-2ndFlash

Mercury-300 "mtl-nmr02"

PULSE SEQUENCE

Pulse 59.1 degrees

Acq. time 1.815 sec

Width 18761.7 Hz

1606 repetitions

OBSERVE C13, 75.3841884 MHz

DECOUPLE H1, 299.7992307 MHz

Power 42 dB

continuously on

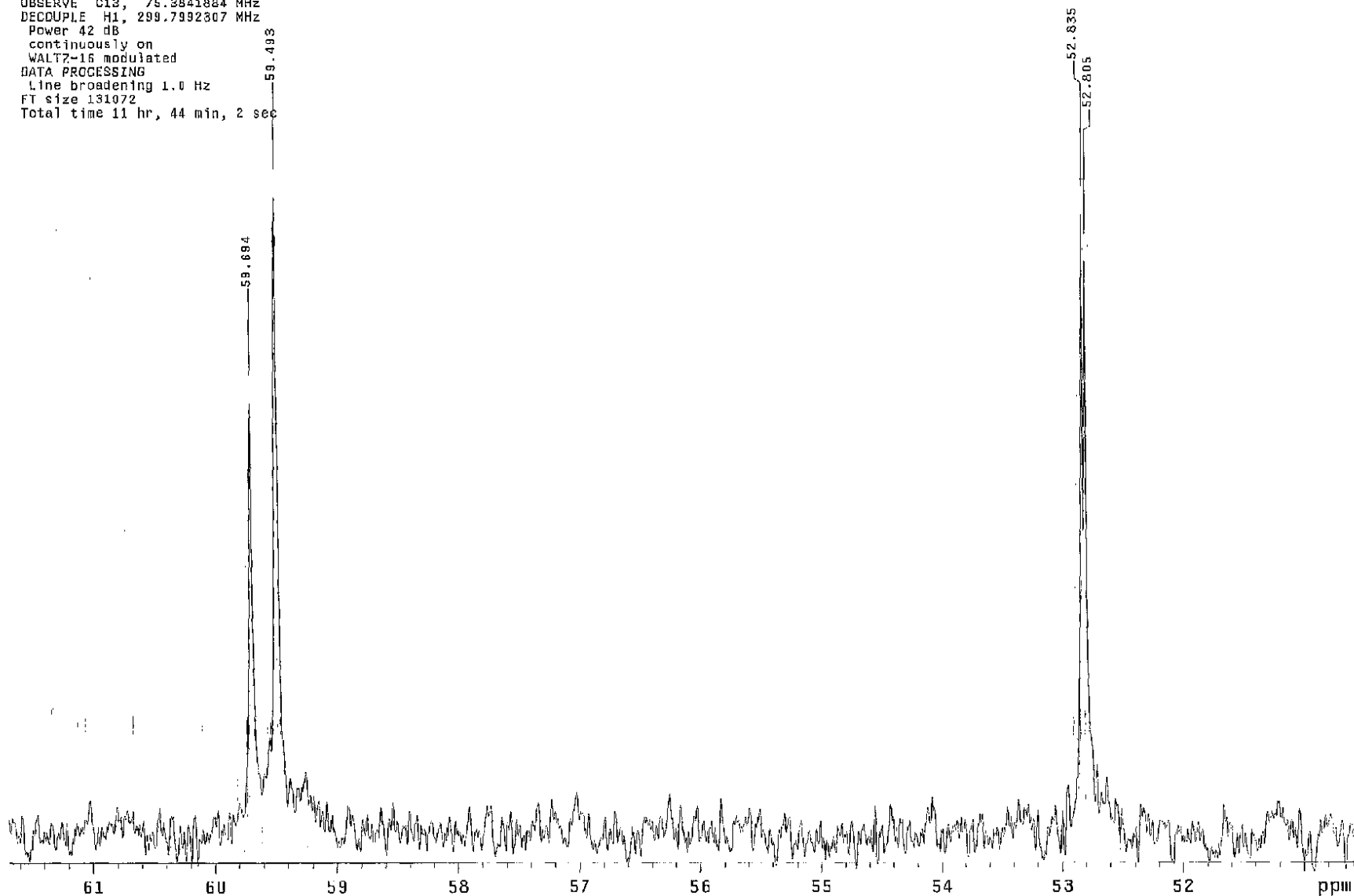
WALTZ-16 modulated

DATA PROCESSING

Line broadening 1.0 Hz

FT size 131072

Total time 11 hr, 44 min, 2 sec



PM3006740408

FD-67/CDC13 19/Apr/02

Pulse Sequence: s2pu1

Solvent: CDC13

Ambient temperature

File: FD-MOSPSRS-V-C-67-2ndFlash

Mercury-300 "mt1-nmr02"

PULSE SEQUENCE

Pulse 59.1 degrees

Acq. time 1.815 sec

Width 18761.7 Hz

1606 repetitions

OBSERVE C13, 75.3841884 MHz

DECOUPLE H1, 299.7992307 MHz

Power 42 dB

continuously on

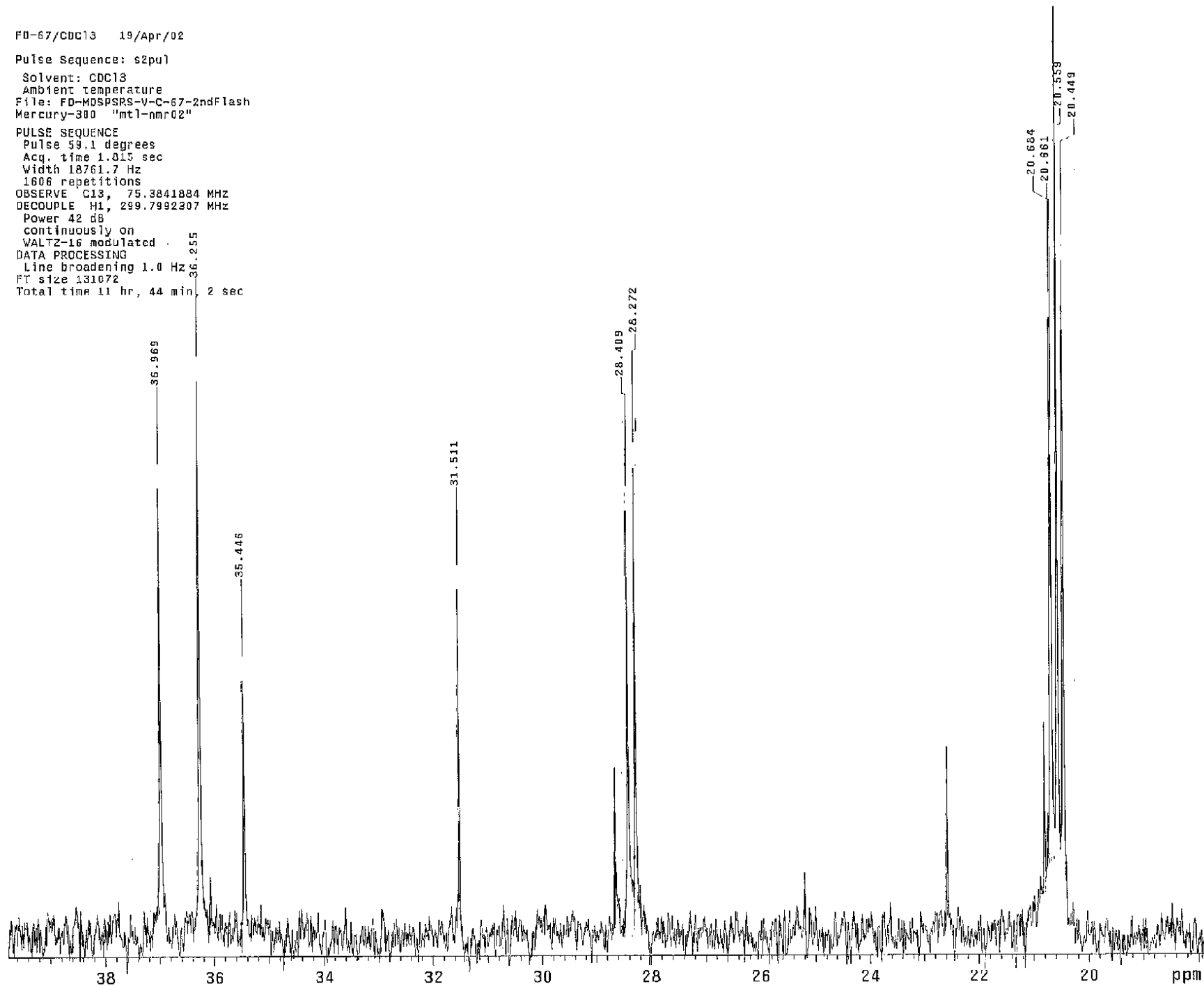
WALTZ-16 modulated

DATA PROCESSING

Line broadening 1.0 Hz

FT size 131072

Total time 11 hr, 44 min, 2 sec



PM3006740409